

DLA Chief Financial Officer's (CFO) Act Inventory Valuation Statistical Sampling

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Briefing Outline

- Background
- History
- Sampling Approach
- Sampling Detail
- Proposed FY 2004 Sampling Plan



Background

- Chief Financial Officer's Act of 1990
- DoD Military Services, and Agencies provide financial statements to Congress
- Dollar value of on-hand supply inventorie OUR FOCUS



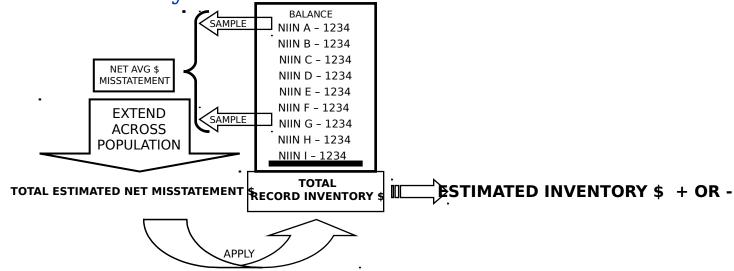
History

- FY 1999 DORRA developed inventory valuation sampling plan with assistance from DoD IG Quantitative Methods Division – monitored and reviewed by DoD IG audit team
- FY 2000 "Lessons Learned" sampling plan monitored and reviewed by DLA CFO Compliance Office independent auditor (D&T)
- FY 2001& 2002 D&T sampling plan based on semi-annual DoD Inventory Record Accuracy sampling (DoD Joint Physical Inventory Working Group (JPIWG))
- FY 2004 Return to FY 2000 sampling methodology



Sampling Approach

• Sample for inventory record misstatement rather than inventory value ventory records



- Estimate total net inventory misstatement \$
- Apply estimate to record inventory \$



CFO Sampling Detail

- Two stage sampling frame
 - First stage sampling unit inventory storage sites. Probability Proportional to Size (PPS) with replacement
 - Second stage sampling unit DLA owned NIINS at selected storage sites. Stratified sample
- FY 2001 D&T changed the sampling plan by combining the financial sample with the DoD Inventory Record Accuracy Sample by adding sample to Strata A (unit price > \$1000) more efficient and reduced physical inventory effort



Proposed FY 2004 Sampling Plan

- Keep accuracy and financial sampling separate
- Return to two stage PPS sampling with replacement

 DEPOT fac_id #of items extended value

•	First stage – select sites (20
	94% of inventory value at L
	sites.

•	Second	stage) – 9	select	items
	(250 at	each	sit	e).	С

•	Should	satisfy	y D&T	min	imt
	sampl	e size	requir	emei	nt

DEPUI	IaC_IU	#OI ILETIS	exteriueu vaiu
Susquehanna	S2	616,982	\$2,271,428,253
San J oaquin	J 2	719,915	\$2,202,274,115
Oklahoma City	00	124,300	\$846,929,986
Hill	02	138,777	\$490,806,368
Richmond	RV	314,168	\$415,068,512
Norfolk	NV	162,975	\$369,147,270
Warner Robbins	WG	137,317	\$325,703,237
San Diego	DC	113,339	\$291,872,169
Red River	RT	50,381	\$201,326,631
Cherry Point	CN	29,866	\$196,938,432
J acksonville	JF	58,352	\$193,176,261
Barstow	BC	35,974	\$149,564,297
Columbus	CO	141,774	\$141,543,713
Yokosuka	AL	69,310	\$74,259,371
Albany	AG	18,137	\$65,676,727
Corpus Christi	C1	11,371	\$37,567,418
Anniston	AA	13,981	\$32,914,258
Puget Sound	PW	21,709	\$29,026,820
Pearl Harbor	AP	49,618	\$26,011,614
Richmond - Cylinders	R1	389	\$21,359,025
Germersheim	DE	28,538	\$20,631,385
Tobyhanna	TP	4,723	\$15,660,913
Guam	GU	12,819	\$5,499,929
Sasebo	SA	5,226	\$1,294,862
Pearl - Nuclear	NU	493	\$165,325
Pearl - Ship Yard	SY	2	\$0
			\$8,425,846,89



Proposed FY 2004 Sampling Plan

- New stratification scheme
 - 1. Measurable (JPIWG classification)
 - 2. Countable, unit cost < = \$100, quantity < 100
 - 3. Countable, unit cost \leq \$100, quantity \geq 100
 - 4. Countable, unit cost > \$100 but < \$1,000, quantity < 100
 - 5. Countable, unit cost > \$100 but < \$1,000, quantity >=100
 - 6. Countable, unit cost \geq \$1,000, quantity < 25
 - 7. Countable, unit cost >= \$1,000, quantity >= 25 but < 125
 - 8. Countable, unit cost \geq \$1,000, quantity \geq 125
- Neyman's Allocation with minimums

strata	#of items	extended value	item %	value %
l i	76,065	\$115,491,666	3%	1%
2	1,573,469	\$511,762,392	55%	6%
3	386,125	\$1,550,388,980	13%	18%
4	652,263	\$1,788,038,615	23%	21%
5	15,202	\$1,105,267,264	1%	13%
6	169,357	\$2,132,812,119	6%	25%
7	7,313	\$834,894,081	<1%	10%
8	642	\$387,191,772	<1%	5%
	2 880 436	\$8 425 846 890		

DORR



Proposed FY 2004 Sampling Plan

- Data sources (automated systems):
 - Material Unit Acquisition Cost (MAUC), Ownership / Purpose code (OPC), Standard Unit Price (SUP), "Odd RIC" assets - SAMMS, DISMS, BSM
 - Depot asset balances, SUP, Unit of Issue (UI), Manager RIC, Owner RIC
 - DSS Global
 - DSS QBS, QBO
 - Inventory results MIS Inventory file
 - Roll forward/back MIS Issue and Receipt files
- Timing
 - Draw data the last week of August 2004
 - Drop sample into DSS 2nd week of September 2004
 - Roll inventories forward to 30 Sep using MIS Receipt/Issue data
 - Complete and reconcile inventories first week of October 2004
 - Compile statistics by 18th of October 2004

